

What is Claimed Is:

1. An addition curing type silicone resin composition comprising:

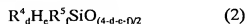
(A) 100 parts by weight of an organopolysiloxane represented by an average composition formula (1):



wherein, R^1 represents a phenyl group, R^2 represents an alkenyl group of 2 to 10 carbon atoms, R^3 represents a monovalent group selected from the group consisting of monovalent hydrocarbon groups except a phenyl group and alkenyl groups, a hydroxyl group and alkoxy groups, and a, b and c are positive numbers which satisfy requirements $0.5 \leq a \leq 1.0$, $0.2 \leq b \leq 0.5$, $0.2 \leq c \leq 0.8$ and $1.0 < a+b+c < 2.0$,

which incorporates a phenyl group and at least two alkenyl groups within a single molecule, and in which a combined proportion of Si atoms within $\equiv Si-R^2$ groups and $RSiO_{3/2}$ units wherein, R represents either one of R^1 and R^3 as defined above relative to total Si atoms is at least 70 mol%;

(B) 1 to 100 parts by weight of an organohydrogenpolysiloxane represented by an average composition formula (2):



wherein, R^4 represents a phenyl group, R^5 represents a monovalent group selected from the group consisting of monovalent hydrocarbon groups except a phenyl group, a hydroxyl group and alkoxy groups, and d, e and f are positive numbers which satisfy requirements $0.4 \leq d \leq 1.0$, $0.5 \leq e \leq 0.8$, $0.7 \leq f \leq 1.2$ and $1.8 < d+e+f < 3.0$, which incorporates a phenyl group and at least two SiH groups within a single molecule; and

(C) an effective quantity of a hydrosilylation reaction catalyst.

2. An addition curing type silicone resin composition according to claim 1, wherein a refractive index of both said organopolysiloxane represented by said average composition formula (1) and said organohydrogenpolysiloxane represented by said average composition formula (2) is from 1.47 to 1.57.

3. An addition curing type silicone resin composition according to claim 1, wherein a difference between a refractive index of said organopolysiloxane represented by said average composition formula (1) and a refractive index of said organohydrogenpolysiloxane represented by said average composition formula (2) is no more than 0.08.

4. An addition curing type silicone resin composition according to claim 1, wherein in said average composition formula (1), R^2 is a vinyl group, R^3 is any one of a methyl group, an ethyl group and a propyl group, said numbers a, b and c are positive numbers which satisfy requirements $0.55 \leq a \leq 0.95$, $0.25 \leq b \leq 0.45$ and $0.25 \leq c \leq 0.7$ respectively, and moreover a sum of said numbers satisfies a requirement $1.3 < a + b + c < 1.7$.

5. An addition curing type silicone resin composition according to claim 1, wherein in said average composition formula (2), R^2 is any one of a methyl group, an ethyl group and a propyl group, said numbers d, e and f are positive numbers which satisfy requirements $0.5 \leq d \leq 1.0$, $0.6 \leq e \leq 0.8$ and $0.8 \leq f \leq 1.1$ respectively, and moreover a sum of said numbers satisfies a requirement $2.0 < d + e + f < 2.5$.

6. An addition curing type silicone resin composition according to claim 1, wherein an amount of said constituent (B) is from 5 to 50 parts by weight per 100 parts by weight of said constituent (A), and an amount of said constituent (C), on a weight basis relative to said constituent (A), is from 1 to 500 pm.

7. An addition curing type silicone resin composition according to claim 1, which is used for a key pad.

8. A cured product produced by heat curing of an addition curing type silicone resin composition according to claim 1.

9. A cured product according to claim 8, with a flexural strength measured in accordance with JIS K6911 of at least 29.4 MPa.

10. A cured product according to claim 9, wherein said flexural strength measured in accordance with JIS K6911 is at least 34.3 MPa.

11. A cured product according to claim 8, with a hardness (Shore D) measured using a Barcol hardness tester in accordance with JIS K7060 of at least 60.

12. A cured product according to claim 8, with a transmittance of light of wavelength 589 nm of at least 85%.